

TRAFFIC INCIDENT MANAGEMENT FOR METRO DETROIT

Richard F. Beaubien, P.E., P.T.O.E.
Hubbell, Roth & Clark, Inc.

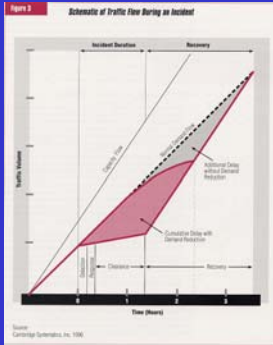
WHAT IS A TRAFFIC INCIDENT?

- An event that blocks a lane for more than 30 minutes.

INCIDENT MANAGEMENT SOLUTIONS

- Detection and Verification
- Response and Clearance
- Recovery and Information

TRAFFIC FLOW DURING AN INCIDENT



INCIDENT TYPES

- Traffic Crash
- Disabled Vehicle
- Debris
- Cargo Spill
- HAZMAT Spill
- Abandoned Vehicle

INCIDENT RESPONDERS

- Police
- Fire
- HAZMAT
- Emergency Medical
- Tow Vehicles
- Road Agencies
- Broadcast Media

METRO DETROIT INCIDENT MANAGEMENT COALITION

- Michigan Department of Transportation
- Michigan State Police
- Southeast Michigan Council of Governments
- City of Detroit
- AAA Michigan
- Road Commission for Oakland County
- City of Troy
- WWJ

METRO DETROIT INCIDENT MANAGEMENT COALITION (2)

- Emergency Road Response
- MDOT – Grand Region
- Michigan State University
- Federal Highway Administration
- Hubbell, Roth & Clark, Inc.

BLUEPRINT FOR ACTION

- Combine MSP Dispatch Operations with MDOT Intelligent Transportation Systems Center
- Expand CCTV Camera and Variable Message Signs on Metro Detroit Freeways
- Establish Freeway Courtesy Patrol
- Reduce Abandoned Vehicle Time Limit from 48 Hours to 18 Hours



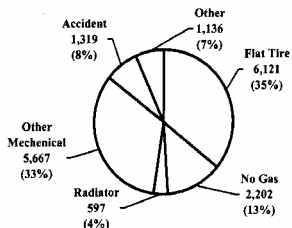
MDOT INTELLIGENT TRANSPORTATION SYSTEMS CENTER

FREEWAY COURTESY PATROL

- Currently a Service of MDOT
- Contractors are AAA Michigan and Emergency Road Response
- 35 Vehicles Patrol Metro Detroit Freeways
- 27,000 Assists in 2002

FREEWAY COURTESY PATROL ASSISTS BY CATEGORY

Figure 4
Types of Problems Assisted by Freeway Courtesy Patrol Drivers, 2002



Source: SEMCOG.



MDOT FREEWAY
COURTESY
PATROL VAN



MDOT FREEWAY
COURTESY
PATROL TOW TRUCK

CONTINUING COORDINATION ACTIVITIES

- Review of Operations and Incident Responses
 - I-75/I-94 Tanker Explosion
 - Freedom Festival Fireworks Traffic Management
- Review of Messages on Dynamic Message Signs
 - Message Priorities
 - Safety Messages
 - Travel Time Messages

CONTINUING COORDINATION ACTIVITIES (2)

- Develop Incident Management Procedures
 - Incident Severity Classification
 - Responder Matrix for each Incident Level
- Establish Tow Desk
 - Suggestion from Tow Company Representative

LEVELS OF INCIDENTS

<u>Level</u>	<u>Criteria</u>
Level I	Construction or weather related lane restrictions
Level II	Freeway or median shoulder closure
Level III	One or more lanes closed on one or both directions
Level IV	One direction freeway closure
Level V	Full freeway closure

CONTINUING COORDINATION ACTIVITIES (3)

- Report on the Road Commission for Oakland County Traffic Operation Center Activities
- Report on MDOT Grand Region Incident Management Activities

METRO DETROIT INCIDENT MANAGEMENT PROGRAM

- Reduces Traffic Congestion
- Improves Highway Safety

Questions ?
